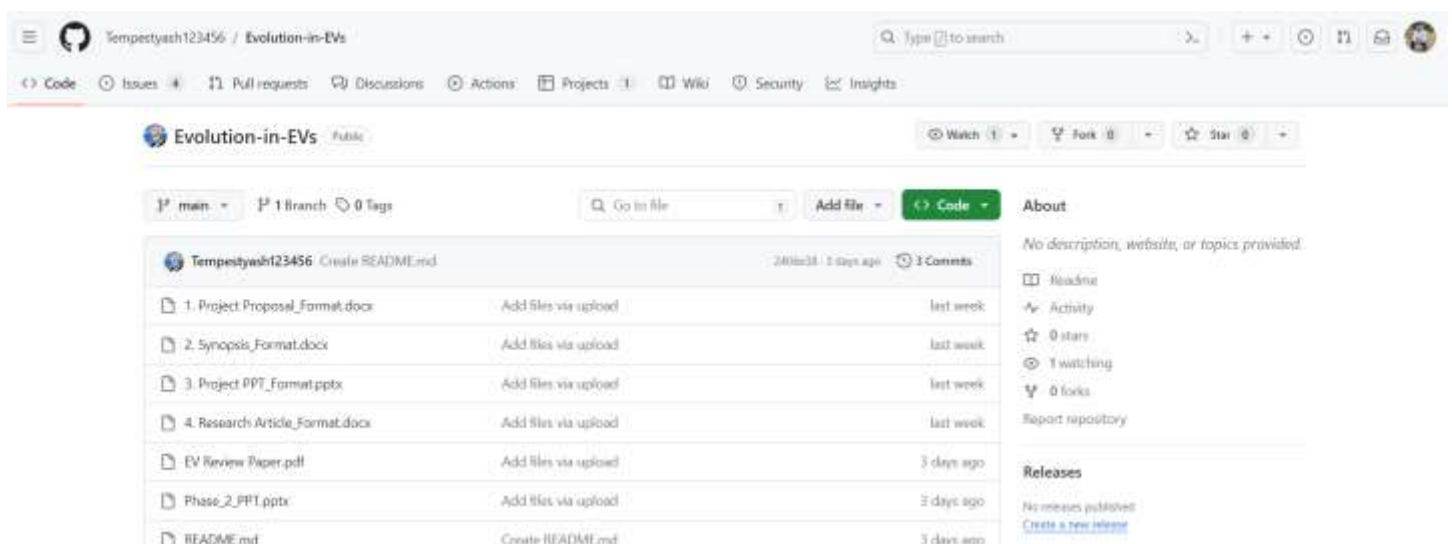


Experiment -2.3

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Branch: CSE(DEVOPS)
Semester: 4TH
Subject Name: GIT AND GITHUB

UID: 22BDO10006
Section/Group: 22BCD-1/A
Date of Performance: 28/02/2024
Subject Code: 22CSH-293

1. **Aim/Overview of the practical:.** Creation of Forks on GitHub
2. **Software used:** Git Bash and Github.
3. **Hardware Used:** Computer system.
4. **Steps for experiment:**
 1. Go to the the github website and visit the repository you want to fork.



2. Click on create fork to create the fork on to your profile.

Create a new fork

A fork is a copy of a repository. Forking a repository allows you to freely experiment with changes without affecting the original project.

Required fields are marked with an asterisk (*).

Owner * Repository name *

By default, forks are named the same as their upstream repository. You can customize the name to distinguish it further.

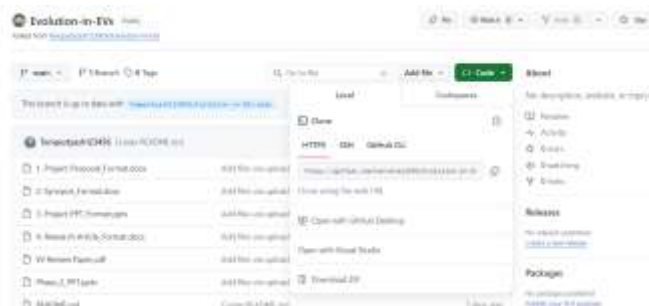
Description (optional)

☒ Copy the [code](#) ☐ branch only

☐ You are creating a fork in your personal account.

Create fork

3. Now copy the http link of the repository.



4. Clone the git repository and change the working directory through “cd repo_name”

```

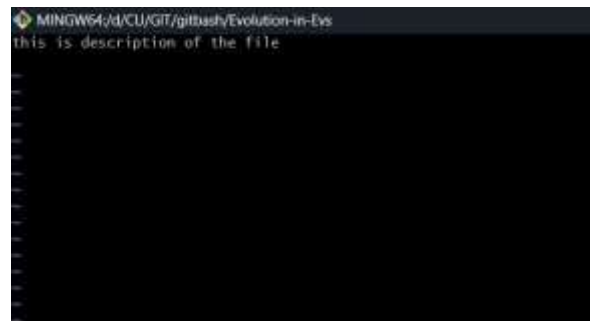
MINGW64; d\CU\GIT\gitbash\Evolution-in-Evs
singh@HARSH1695 MINGW64 /d/CU/GIT/gitbash
$ git clone https://github.com/harshraj1695/Evolution-in-EVs.git
Cloning into 'Evolution-in-EVs'...
remote: Enumerating objects: 13, done.
remote: Counting objects: 100% (13/13), done.
remote: Compressing objects: 100% (13/13), done.
remote: Total 13 (delta 2), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (13/13), 12.60 MiB | 2.11 MiB/s, done.
Resolving deltas: 100% (2/2), done.

singh@HARSH1695 MINGW64 /d/CU/GIT/gitbash
$ cd Evolution-in-Evs

singh@HARSH1695 MINGW64 /d/CU/GIT/gitbash/Evolution-in-Evs (main)
$

```

5. Edit the file using “vi filename”.



5. Now add and commit the file and push the changes to main using “git add .”, “git commit -m”commit message ””, and “git push origin main”.

```
singh@HARSHI695 MINGW64 /d/CU/GIT/gitbash/Evolution-in-Evs (main)
$ git add .
warning: in the working copy of 'desc.txt', LF will be replaced by CRLF the next time Git touches it

singh@HARSHI695 MINGW64 /d/CU/GIT/gitbash/Evolution-in-Evs (main)
$ git commit -m"committing description"
[main 6fa56d5] committing description
1 file changed, 2 insertions(+)
create mode 100644 desc.txt

singh@HARSHI695 MINGW64 /d/CU/GIT/gitbash/Evolution-in-Evs (main)
$ git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 306 bytes | 306.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/harshraj1695/Evolution-in-Evs.git
2406e38..6fa56d5  main -> main

singh@HARSHI695 MINGW64 /d/CU/GIT/gitbash/Evolution-in-Evs (main)
$ |
```

5. Result/Output/Writing Summary:

In this experiment we have learnt about forking a repository and making local copy of that forked repository and after making changes how to push those changes in github.

Learning outcomes (What I have learnt):

1. Learnt the difference between forking.
2. Learnt how to make the clone.
3. Learnt about editing the files.
4. Learnt how to delete a branch in github and bash.
5. Also learnt about comparing the merged files.

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			